

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



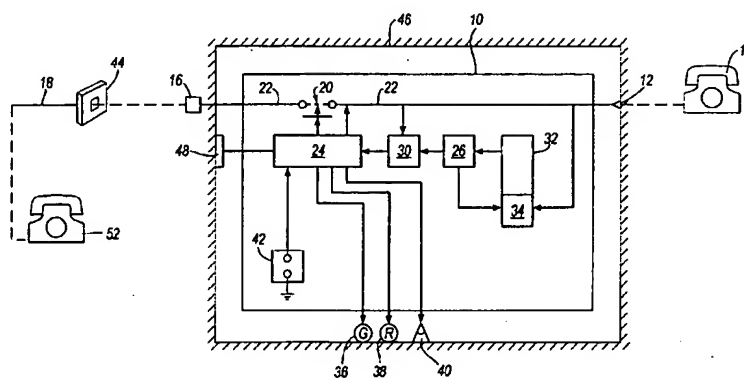
(43) International Publication Date
11 December 2003 (11.12.2003)

PCT

(10) International Publication Number
WO 03/103258 A1

- (51) International Patent Classification⁷: H04M 1/66, 1/677, 3/42
- (21) International Application Number: PCT/GB03/02351
- (22) International Filing Date: 29 May 2003 (29.05.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0212833.8 1 June 2002 (01.06.2002) GB
0221934.3 20 September 2002 (20.09.2002) GB
0300289.6 7 January 2003 (07.01.2003) GB
- (71) Applicant and
(72) Inventor: DONNELLY, Rory, Joseph [GB/GB]; Dunrobin, Manor Park, The Avenue, Whyteleafe, Surrey CR3 0AQ (GB).
- (74) Agents: GAMBELL, Derek et al.; Graham Watt & Co., St Botolph's House, 7 - 9 St Botolph's Road, Sevenoaks, Kent TN13 3AJ (GB).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SELECTIVE OUTGOING CALL BARRING



(57) **Abstract:** The security device comprises (i) a first connector (12) for connection to a telecommunications device (14, 15) such as a land-line telephone, mobile telephone or the modem of a computer, (ii) a second connector (16) connected to a telecommunications line (18), and (iii) a normally closed switch (20, 21) having a closed position in which a signal pathway (22, 23) within the security device between the first connector (12) and the second connector (16) is enabled and an open position in which the signal pathway (22, 23) is interrupted. A control device (24, 25) controls the position of the switch (20, 21). A programmable memory (26, 27) stores allowed signal sequences and at least one authorised pass number. A comparator (30) is in operative connection with the control device (24, 25) and compares signals on the pathway (22, 23) with the allowed stored signal sequences. The control device (24, 25) opens the switch (20, 21) when a signal on the pathway (22, 23) does not match one of the stored signal sequences. A programmer (32) receives pass numbers and programming signals from a remote telecommunications device (52) via the telecommunications line (18). The programmer (32) includes an authorised pass number recognition device (34) for comparing a received pass number with the authorised pass numbers stored in the memory (26, 27). The memory (26, 27) can be reprogrammed only when an authorised pass number is received.

WO 03/103258 A1